BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

e of the work: **Estimate for Improvements to Roads and Drains at M.S.Palya area in Ward 71 (Kuvempunagara) in Vidyaranyapura Sub Division.**

Description	Unit	No.	L	B	D	Qty	Rate	Amount
						Estimate Cost:		2000000.00
KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2016-17**	Cum							
MS Palya area		2	153.00	1.00	0.95	290.70		
Basic Rate	82.00					**290.70**	199.36	**57955.00**
Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	188.08							
Area Weightage @ 6%	11.28							
Total	**199.36**							
KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2016-17**	Cum							
		2	153.00	1.00	0.15	45.90		
Basic Rate	4867.00					**45.90**	5159.02	**236799.00**
Area Weightage @ 6%	292.02							
Total	**5159.02**							
Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2016-17**	Cum							
		2	153.00	0.90	0.15	41.31		
Drain Bottom Concrete		4	153.00	0.15	0.60	55.08		
Side Wall						**96.39**	6231.74	**600677.00**
Basic Rate	5879.00							
Area Weightage @ 6%	352.74							
Total	**6231.74**							

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Description	Unit	No.	L	B	D	Qty	Rate	Amount
SRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C ork including straightening, cutting, bending, hooking, acing in position, lapping and / or welding wherever quired, tying with binding wire and anchoring to the djoining members wherever necessary complete as per esign (laps, hooks and wastage shall not be measured nd paid) cost of materials, labour, HOM of machinery omplete as per specifications. Specification No. KBS 4.6.3 **MT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD R 2016-17**	Tonne							
For Roof, Columns @ 60 Kg / Cum		0.06	96.39			**5.78**	64243.42	**371545.00**
Basic Rate	60607.00							
Area Weightage @ 6%	3636.42							
Total	**64243.42**							
SRB 4-6.4 : Providing and removing centering, shuttering, trutting, propping etc., and removal of form work for **ertical surface such as walls** at any thickness, including ttached pilasters, buttresses, plinth and string courses ost of all materials, labour complete as per specifications. pecification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31 / WD SR 2016-17**	Sqm							
Side Wall		4x2	153.00		0.60	734.40		
Basic Rate	293.00					**734.40**	310.58	**228090.00**
Area Weightage @ 6%	17.58							
Total	**310.58**							
Providing **precast slab of 100mm thick** including cost of ll materials, labour, curing, transportation, loading nloading, etc., complete as per the direction of engineer in harge- Data rate	Sqm							
For Covering Slab		510	0.60		0.90	275.40		
						275.40	1760.00	**484704.00**
Sub Total								**1979770.00**
For Third Part QC inspection Charges @ 1%								**19798.00**
Miscellaneous and other Charges	L/S							**432.00**
							Total	**2000000.00**

Rupees Twenty Lakh(s) Only

RTIFICATE:

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per PWD SR of 2016-17.
This work included under 2017-18 POW Grants.
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

12/03
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For 20 Lakhs only
Head of A/C P4771
CER NO :AS/140/17-18

CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. Twenty Lakh only
Head of A/c P-1771
Div. Ref. No. 127 Date 15/03/18
15/03
AE
15/03
EE(BTP)

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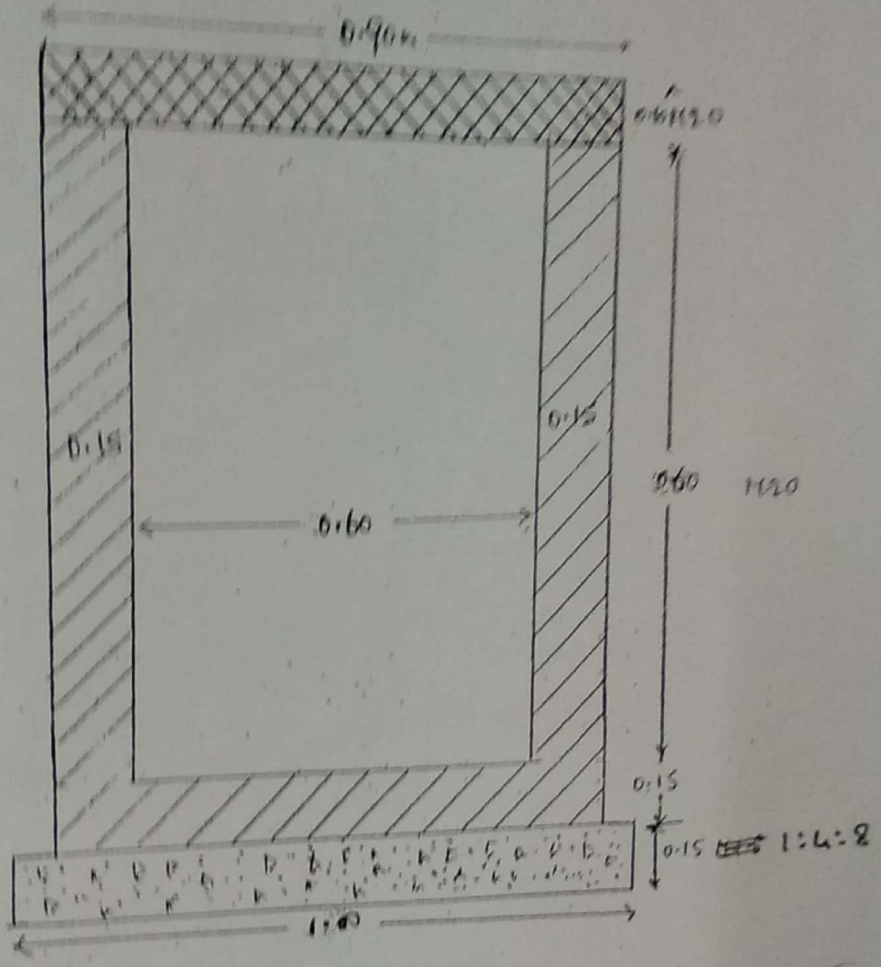

CROSS SECTION OF CC DRAIN

A.E.-II